Standards

Standards MT Release 2022

Discussion paper and Minutes

Common Cat 5

Distribution: CA, CM, SnR, TiC Maintenance Working Group

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Date Issued: 30 June 2021

Meeting Date: 23 August 2021

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# Introduction

Standards Illustrations in this document

Standards illustrations are provided by SWIFT Standards. They are not part of the original request.

Any standard illustrations (rules, codes, qualifiers, wordings) are **only for illustration purposes**. It does not mean SWIFT Standards is in agreement with the maintenance request or that the final standards solutions (for accepted maintenance requests) will be as shown in this document.

The MT Standards Release Guide (+ potential erratum) and the ISO 20022 message definition reports are the ONLY source of reliable information based on which implementation of changes should be made. Any other documentation (including this one) is subject to change.

SR 2022 change requests

This document contains all Common Cat 5 MT/MX CRs and equivalent MX messages investigated this year for implementation in SR 2022.

The requests originator is indicated as follows:

* + Requesting Country; Country code of requesting NMPG or UG; eg. BE
  + Requesting Group: a SWIFT User Group or a National (Securities) Market Practice Group with the acknowledgement of the UGC or Recognized industry group eg. SMPG (the global Securities Market Practice Group)

Contact persons regarding this document

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CR Title Colour notation (**for minutes[[1]](#footnote-1) only**)

In GREEN are items that are approved or approved with comments or approved with alternative solution.

In RED are items that are rejected, withdrawn or linked to agreed items

In **GREY** are items that are postponed for review and implementation at the next release.

MWG Members for SR2022

The following people are part of the Common Cat 5 MWG for SR2022.

|  |  |  |
| --- | --- | --- |
| **CA Maintenance working group members** | | **Representing** |
| Priscilla Ferri de Barros | | AU |
| Véronique Peeters | | BE |
| Michael Blumer | | CH |
| Daniel Schäfer | | DE |
| Jean-Pierre Klak | | FR |
| James Mullens | | HK |
| Catarina Marques | | LU |
| Sanjeev Jayram | | SA |
| Mariangela Fumagalli | | UK |
| Paul Fullam | | US / ISITC |
| Jean-Paul Lambotte | | XS |
| Christine Strandberg | | ISO 20022 Securities SEG (SE) |
| Steve Sloan | | ISO 20022 Securities SEG (US) |
| Jacques Littré | | CA MWG Chair |
|  | |  | | |

|  |  |
| --- | --- |
| **TPCM Maintenance working group members** | **Representing** |
| Jean-François Schleck - Euroclear | Belgium |
| Brendan Laird - ASX | Australia |
| Jason Brasile - Statestreet | Unites States of America |
| Crispin Searle/Filipe Branco - Clearstream | Luxembourg |
| Simon Noakes - BNYM | United Kingdom |
| Christian Boehm - Kreditanstalt für Wiederaufbau Bank | Germany |
| Axelle Wurmser  – BNP Paribas | France |
| René Eberhard– SIX Group | Switzerland |
| Alberto Arilla Gomez - BBVA | Spain |
| Christian Elbrandt  – Danmarks Nationalbank | Denmark |

|  |  |
| --- | --- |
| **SnR Maintenance working group members** | **Representing** |

|  |  |
| --- | --- |
| Takaya Hamamura - Mitsubishi Bank | Japan |
| Jean-François Schleck - Euroclear | ICSD |
| Jason Brasile – Statestreet | United States of America |
| Aundrea Jarvis - BBH |  |
| Robin Leary – Citibank | United Kingdom - IE |
| Denis Andrejew – DB | Germany |
| Ton Van Andel – ABN Amro | Netherlands |
| Stephan Schuetter – UBS | Switzerland |
| Jennifer Chan– HSBC | Honk Kong |
| David Wouters – BNYMellon | Belgium |
| Stephanie Clark Fischer – BNP Paribas | France |
| Arnaud Jochems – Clearstream | ICSD / Luxembourg |

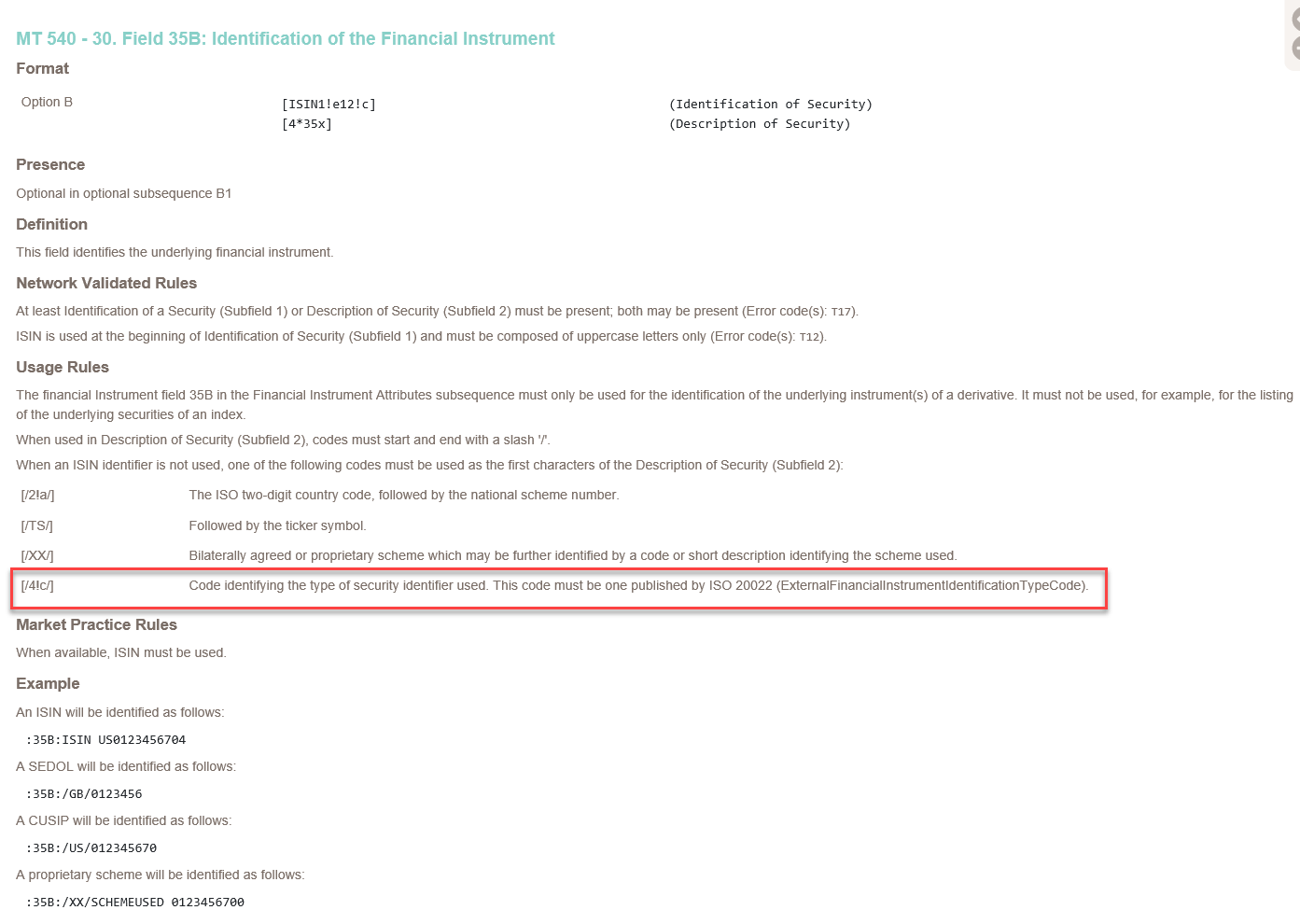
|  |  |
| --- | --- |
| **TiC Maintenance working group members** | **Representing** |
| Mr Ton Van Andel, ABN Amro | Netherlands |
| Mr Armin Borries, Clearstream | Germany |
| Position Vacant | Belgium |
| Position Vacant | Luxembourg |
| Ms. Laura Hannan, Bank of New York Mellon | United States of America |
| Mr Ewen Henderson, UK Payments | United Kingdom |
| Mr. Christian Pinetz – OEKB | Austria |
| Mr. Andres Wernli – UBS | Switzerland |
| Position Vacant | France |
| Mr. Brett Kotze – A2X | South Africa |

# Overview of User Change requests

## CR 001781: Add ISO 24165 DTI (Digital Token Identifier)

|  |  |
| --- | --- |
| **Origin of request** | |
| Requesting Group: | Securities Digital Asset Working Group |
| **Sponsors** | |
| BNP Paribas, BNY Mellon, HSBC | |
| **Message type(s) impacted** | |
| Cat 5 and equivalent ISO 20022 messages  At least for all the S&R messages MT530-549 (and equivalent ISO 20022) but would be more logical and generic to implement for all the uses of field 35B. | |
| **Complies with regulation** | |
| None | |
| **Business impact of this request** | |
| MEDIUM  Only relevant when servicing digital assets. | |
| **Commitment to implement the change** | |
| Number of messages sent and received: 1379406324  Percentage of messages impacted: 10  Commits to implement and when: BNY, BNP, HSBC and their counterparties in SR 2022 | |
| **Business context** | |
| There is growing interest in reusing cat 5 messages (and associated ISO 20022 messages) for the servicing of digital assets, which is a security type of growing importance. This approach would require least adaptation in the back offices. There is interest among most custodians outside the working group as well, and while it is early days for digital assets, the expectation is that it is an instrument type that will grow in importance. This change request avoids the need to implement unstandardised API solutions, rather recommends an efficient re-use of Cat 5 (&equivalent ISO 20022).  This change request is one of three CRs to adequately capture the related information without resorting to hard to automate narrative.  While digital assets can be issued an ISIN, the predominant standard identifier will be the DTI which will be live late 2021 - though the structure is known already. For good STP, the DTI should be formally captured in the message as a financial instrument field usage rule, instead of using narrative. | |
| **Nature of change** | |
| extra field usage rule for :35B, as follows:  "Field Usage Rules  When used in Description of Security (Subfield 2), codes must start and end with a slash '/'.  When an ISIN identifier is not used, one of the following codes must be used as the first characters of the Description of Security (Subfield 2):  [/DTI/] followed by the DTI (digital token identifier) in pattern 9!x according to ISO 24165. | |
| **Workaround** | |
| Only use the description part of :35B:, starting with /DTID/ and register DTID an ExternalFinancialInstrumentIdentificationTypeCode, but that would be less visible considering that the DTI is an official ISO code. | |
| **Examples** | |
| Crypto asset with DTI PQ33QM225 would be identified as :35B:/DTI/PQ33QM225 | |

**Standards Illustration**



**SWIFT Comment**

|  |
| --- |
| The DTI is described in the ISO 24165 and his pattern is 9!x.  SWIFT confirms this can be used with the current format 4\*35x of the field 35B.  As a modification of a very used ISO15022 field like 35B might imply the update across all Cat 5 messages, this needs to be discussed with other business area as well.(CA, TIC, Funds, Collateral, ……).  Swift does not recommend any change in messages but suggest to add a new code for DTI into the ***ExternalFinancialInstrumentIdentificationTypeCode*** code set as mentioned in the documentation of every fields 35B of MT.  This solution also applies to ISO 20022.  SWIFT proposes to reject this CR and ask to the submitter to liaise with the ISO20022 RA to request the addition of the “DTI” code in ExternalFinancialInstrumentIdentificationTypeCode. |

**Working Group Meeting**

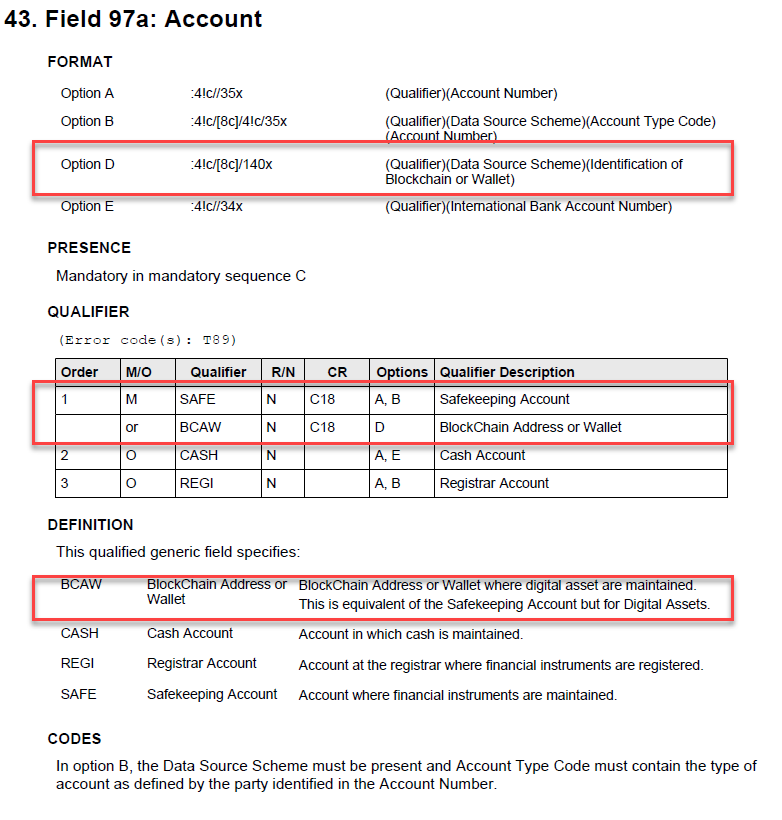
|  |
| --- |
| **Discussion** |
| After the presentation of the CR, the group raised questions concerning the exception that is requested. In fact, the new requested identification for the Digital Token ”DTI” is not different from other Financial instrument identification.  The submitter explained that the idea behind the CR was to have as less as possible an impact on messages.  Therefore, the agreed solution is to follow the SWIFT comment and raise a CR to the ISO20022 Registration authority to add a new code for Digital Token into the ***ExternalFinancialInstrumentIdentificationTypeCode*** code set as mentioned in the documentation of every fields 35B of MT.  When proceeding like that, there is no impact in the messages and can be used sooner than the SR2022. |
| **Decision** |
| REJECTED |

## CR 001782: Add New Qualifier and Format Option for Blockchain Address/Wallet Identification

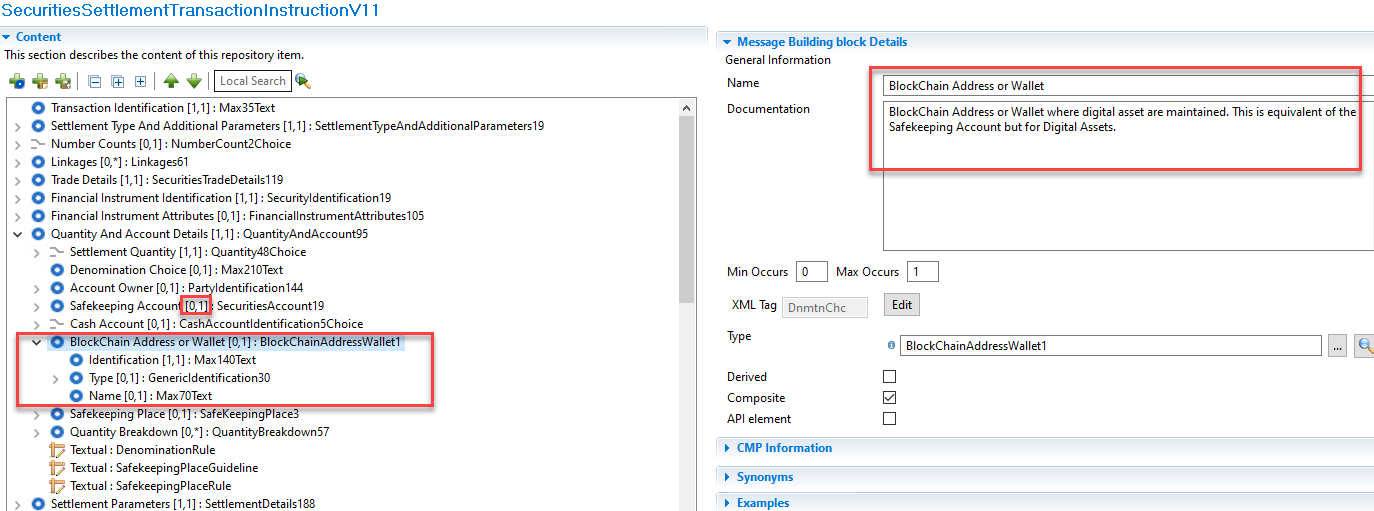
|  |  |
| --- | --- |
| **Origin of request** | |
| Requesting Group: | Securities Digital Asset Working Group |
| **Sponsors** | |
| BNP Paribas, BNY Mellon, HSBC | |
| **Message type(s) impacted** | |
| Cat 5 and equivalent ISO 20022 messages  MT500, 501, 502, 504, 505, 507, 509, 510, 513, 514, 515, 518, 519, 524, 527, 530, 535, 536, 537, 538, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 558, 564, 565, 566, 567, 568, 569, 575, 576, 578, 586  Equivalent ISO 20022 Messages  SnR: semt.002, semt.003, semt.013, semt.015, semt.016, semt.017, semt.018, semt.019, semt.020, semt.021 sese.020, sese.021, sese.022, sese.023, sese.024, sese.025, sese.026, sese.027, sese.028, sese.029, sese.031, sese.032, sese.033, sese.034, sese.035, sese.036, sese.037  CA: seev.031, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 044 (i.e. all except seev.032)  CM: colr.001, colr.002, colr.003, colr.004, colr.005, colr.006, colr.007, colr.008, colr.009, colr.010, colr.011, colr.012, colr.013, colr.014, colr.015, colr.016 | |
| **Complies with regulation** | |
| None | |
| **Business impact of this request** | |
| MEDIUM  Only relevant when servicing digital assets. | |
| **Commitment to implement the change** | |
| Number of messages sent and received: 1379406324  Percentage of messages impacted: 10  Commits to implement and when: BNY, BNP, HSBC and their counterparties in SR 2022 | |
| **Business context** | |
| There is growing interest in reusing cat 5 messages (and associated ISO 20022 messages) for the servicing of digital assets, which is a security type of growing importance. This approach would require least adaptation in the back offices. There is interest among most custodians outside the working group as well, and while it is early days for digital assets, the expectation is that it is an instrument type that will grow in importance. This change request avoids the need to implement unstandardised API solutions, rather recommends an efficient re-use of Cat 5 (&equivalent ISO 20022).  This change request is one of three CRs to adequately capture the related information without resorting to hard to automate narrative.  Instead of a traditional safekeeping account, the digital asset will be kept at a blockchain address / wallet id. The current 35 characters in field 97a Safekeeping account is not sufficient for all cases. For example, an Ethereum address has 42 characters. Other representations would require longer lengths as well, for example a P2WSH address can be 62 characters and a Bech32 address can be up to 90 characters long.  Even when the address would fit the 35x of :97A:, for avoidance of confusion it would be better to have a separate field option. | |
| **Nature of change** | |
| Extra 140x character option for field 97a, for example :97X:140x (at least 90x to allow for the longest Bech32 addresses, with room to spare). | |
| **Workaround** | |
| In the MT54x, a PACO party narrative option :70C::PACO/4\*35x can be used as a workaround, but cannot be used for every 97a. | |
| **Examples** | |
| Bech32 address bc1qar0srrr7xfkvy5l643lydnw9re59gtzzwf5mdq would be included as :97X::bc1qar0srrr7xfkvy5l643lydnw9re59gtzzwf5mdq | |

**Standards Illustration**

**ISO15022**



**ISO20022**



**SWIFT Comment**

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| --- |
| As a modification of a very used ISO15022 fields might implies the update accros all Cat 5 messages, this need to be discussed with other business area as well.(CA, TIC, Funds, Collateral, ……)  The SWIFT proposition is to add a NEW QUALIFIER (to avoid impact on existing business) with a new format to be able to have 140 character. This new format will be available for this qualifier ONLY (no addition of this new format to current qualifier (CASH, SAFE,…).  ~~As a BlockChain Address / Wallet (BCAW) is something different from a Safekeeping account, a change in the cardinality of SAFE (or other qualifiers when applies) to OPTIONAL is needed to be able to have ONLY BCAW present. A NVR will be added to guarantee the presence of a minimum one qualifier if the field is used.~~  Question to the MWG – Should we keep a DSS (as illustrated)?  In iso20022, a new message element will be added next to the current accounts (SafekeepingAccount, CashAccount, …) with a datatype with 140 characters. The cardinality of the SafekeepingAccount or other account when applies will have to be changed to optional.  A ComplexRule will have to be added to guarantee the presence of at least one of those account. |

**Working Group Meeting**

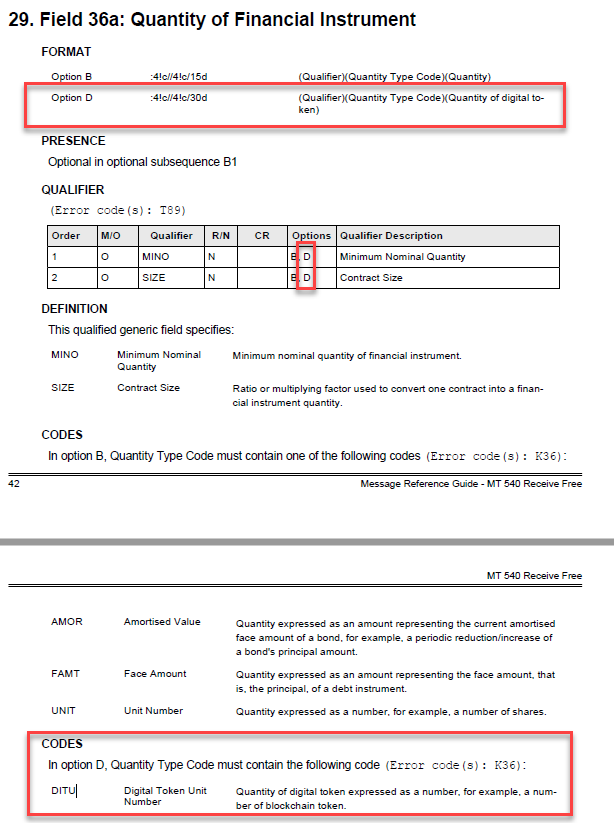
|  |
| --- |
| **Discussion** |
| The CR might create misuse of the message. Updating the length of the current format will create chaos to the current usage of the safekeeping account as sender will be able to put what they want and the impact on back offices system is too big.  Therefore, a new format “D” and a new qualifier “BCAW” will be added to be able to transport the wallet. Businesswise the messages will not be used with the combination of a safekeeping and a wallet at the same time so the message would prevent to transport both at the same time.  The group agreed on the rationale of the CR and agreed on the swift illustration with an update in the definition of “BCAW” that this is only to be used to transport a blockchain address or a wallet identification as a safekeeping place. *Please see the new definition in the new illustration.*  The group agreed to keep the DSS in the new format “D”.  The group agree to implement this CR in all cat 5 message and only in the field 97 and only when a Safekeeping account is already present.  A market practice around the usage of this new qualifier should be written.  *After the MWG, SWIFT evaluated the illustration of the possible implementation in ISO15022 and come up with the above presented in this document. With the grouping of the qualifiers “SAFE” and “BCAW”, user will not have to implement a NVR and the current usage of “SAFE” will remain the same. The SWIFT comment is updated to reflect this.*  The Common Cat 5 MWG agrees to implement this change in all ISO 20022 CA, SnR and CM messages where a SafekeepingAccount is present. |
| **Decision** |
| Accepted |

## CR 001783: Add new Format Option for Quantity of Financial Instrument and Balances

|  |  |
| --- | --- |
| **Origin of request** | |
| Requesting Group: | Securities Digital Asset Working Group |
| **Sponsors** | |
| BNP Paribas, BNY Mellon, HSBC | |
| **Message type(s) impacted** | |
| Cat 5 messages  501, 502, 503, 504, 505, 506, 508, 509, 510, 513, 514, 515, 518, 519, 524, 527, 530, 535, 536, 537, 538, 540, 541, 542, 543, 544, 545, 546, 547, 548, 558, 564, 565, 566, 567, 568, 569, 575, 576, 578, 586  Equivalent ISO 20022  SnR: semt.002, semt.003, semt.013, semt.015, semt.016, semt.017, semt.018, semt.019, semt.020, semt.021 sese.020, sese.021, sese.022, sese.023, sese.024, sese.025, sese.026, sese.027, sese.028, sese.029, sese.031, sese.032, sese.033, sese.034, sese.035, sese.036, sese.037  **CA**: seev.031, 033, 034, 035, 036, 037, 038, 040, 041, 042 (i.e. all except seev.032, 039, 044)  CM: colr.001, colr.002, colr.003, colr.004, colr.005, colr.006, colr.007, colr.008, colr.009, colr.010, colr.011, colr.012, colr.013, colr.014, colr.015, colr.016 | |
| **Complies with regulation** | |
| None | |
| **Business impact of this request** | |
| MEDIUM  Only relevant when servicing digital assets. | |
| **Commitment to implement the change** | |
| Number of messages sent and received: 1379406324  Percentage of messages impacted: 10  Commits to implement and when: BNY, BNP, HSBC and their counterparties in SR 2022 | |
| **Business context** | |
| There is growing interest in reusing cat 5 messages (and associated ISO 20022 messages) for the servicing of digital assets, which is a security type of growing importance. This approach would require least adaptation in the back offices. There is interest among most custodians outside the working group as well, and while it is early days for digital assets, the expectation is that it is an instrument type that will grow in importance. This change request avoids the need to implement unstandardised API solutions, rather recommends an efficient re-use of Cat 5 (&equivalent ISO 20022).  This change request is one of three CRs, to adequately capture the related information without resorting to hard to automate narrative.  One of the challenges for some digital assets will be accommodating places for minimal tradeable units. For example, Wei is a quintillionth of an Ether (18 dp). Combined with the integer part before the decimal separator, this cannot be reflected in unit quantity in ISO 15022 or ISO 20022.  Hence the proposal for an extra option with much longer decimal value to capture these quantities. | |
| **Nature of change** | |
| A new letter option for financial instrument quantity in units,that can accommodate decimal numbers up to 30 digits.  For example :36X::/SETT//UNIT/30d | |
| **Workaround** | |
| There is no practical workaround. | |
| **Examples** | |
| An Ethereum transfer of 12.123456789012345678 Ether can be captured as:  :36X::/SETT//UNIT/12,123456789012345678 | |

**Standards Illustration**

**ISO15022**



**564 Field Specifications**

29. Field 93a: Balance

FORMAT

|  |  |  |
| --- | --- | --- |
| Option B | :4!c/[8c]/4!c/[N]15d | (Qualifier)(Data Source Scheme)(Quantity Type Code)(Sign)(Balance) |
| Option C | :4!c//4!c/4!c/[N]15d | (Qualifier)(Quantity Type Code)(Balance Type Code)(Sign)(Balance) |
| **Option E** | **:4!c//4!c/4!c/[N]30d** | **(Qualifier )(Quantity Type Code)(BalanceTypeCode)(Sign)(Quantity of Digital Tokens)** |
| **Option F** | **:4!c//[8c]/4!c/[N]30d** | **(Qualifier )(Data Source Scheme)(Quantity Type Code)(sign)(Quantity of Digital Tokens)** |

PRESENCE

Conditional (see rule C2) in mandatory subsequence B2

QUALIFIER

(Error code(s): T89)

| **Order** | **M/O** | **Qualifier** | **R/N** | **CR** | **Options** | **Qualifier Description** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | O | ELIG | R | C12 | B, ~~or~~ C **E** **or F** | Total Eligible for Corporate Action Balance |
| 2 | O | BLOK | N |  | B, ~~or~~ C **E** **or F** | Blocked Balance |
| 3 | O | BORR | N |  | B, ~~or~~ C **E** **or F** | Borrowed Balance |
| 4 | O | COLI | N |  | B, ~~or~~ C **E** **or F** | Collateral In Balance |
| 5 | O | COLO | N |  | B, ~~or~~ C **E** **or F** | Collateral Out Balance |
| 6 | O | LOAN | N |  | B, ~~or~~ C **E** **or F** | On Loan Balance |
| 7 | O | PEND | R |  | B, ~~or~~ C **E** **or F** | Pending Delivery Balance |
| 8 | O | PENR | R |  | B, ~~or~~ C **E** **or F** | Pending Receipt Balance |
| 9 | O | REGO | N |  | B, ~~or~~ C **E** **or F** | Out for Registration Balance |
| 10 | O | SETT | R |  | B, ~~or~~ C **E** **or F** | Settlement Position Balance |
| 11 | O | SPOS | N |  | B, ~~or~~ C **E** **or F** | Street Position Balance |
| 12 | O | TRAD | N |  | B, ~~or~~ C **E** **or F** | Trade Date Position Balance |
| 13 | O | TRAN | N |  | B, ~~or~~ C **E** **or F** | In Transshipment Balance |
| 14 | O | NOMI | N |  | B, ~~or~~ C **E** **or F** | Registered Balance |
| 15 | O | UNBA | N |  | B, ~~or~~ C **E** **or F** | Uninstructed Balance |
| 16 | O | INBA | N |  | B, ~~or~~ C **E** **or F** | Instructed Balance |
| 17 | O | OBAL | N |  | B, ~~or~~ C **E** **or F** | Obligated Balance |
| 18 | O | AFFB | N |  | B, ~~or~~ C **E** **or F** | Affected Balance |
| 19 | O | UNAF | N |  | B, ~~or~~ C **E** **or F** | Unaffected Balance |

CODES

In option B, if Data Source Scheme is not present, Quantity Type Code must contain one of the following codes (Error code(s): K93):

|  |  |  |
| --- | --- | --- |
| AMOR | Amortised Value | Quantity expressed as an amount representing the current amortised face amount of a bond, for example, a periodic reduction/increase of a bond's principal amount. |
| FA | Face Amount | Quantity expressed as an amount representing the face amount, that is, the principal, of a debt instrument. |
| UNIT | Unit Number | Quantity expressed as a number, for example, a number of shares. |

[……]

CODES

In option C, if Qualifier is PEND or Qualifier is PENR or Qualifier is SETT, Balance Type Code must contain one of the following codes (Error code(s): K93):

|  |  |  |
| --- | --- | --- |
| ELIG | Eligible | Balance of securities eligible for this corporate action event. |
| FUPU | Full Period Units | Number of units of a fund that were purchased in a previous distribution period and/or held at the beginning of a distribution period, for example Group I Units in the UK. |
| NELG | Not Eligible | Balance of securities not eligible for this corporate action event. |
| PAPU | Part Way Period Units | Number of units of a fund that were purchased part way throughout a distribution period, for example Group II Units in the UK. |

**CODES**

**In option E, Quantity Type Code must contain the following codes (Error code(s): K93):**

|  |  |  |
| --- | --- | --- |
| **DITU** | **Digital Token Unit Number** | **Quantity of digital tokens expressed as a number, for example, a number of blockchain tokens.** |

NETWORK VALIDATED RULES

The integer part of Balance must contain at least one digit. A decimal comma is mandatory and is included in the maximum length (Error code(s): T40,T43).

If Balance is zero, Sign must not be present (Error code(s): T14).

USAGE RULES

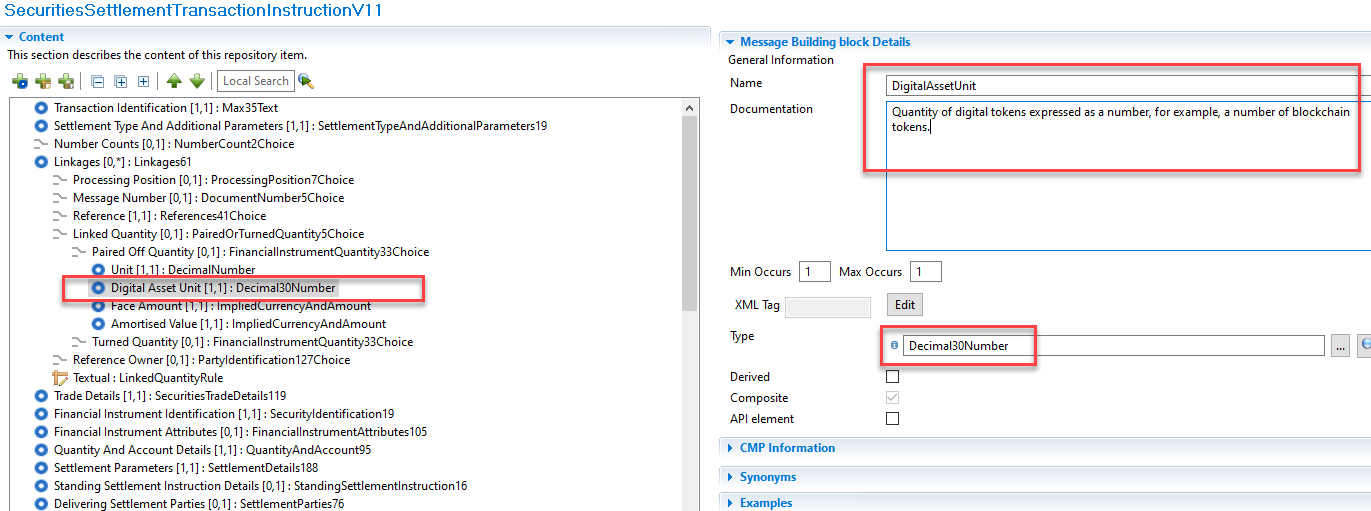
Sign must be present when Balance is negative.

Standing instructions are part of the instructed balance (INBA).

Unaffected balance and affected balances should only be mentioned as a result of the process that was run through the event, for instance lottery results, Dutch auction results or tender offer results.

**Format option E may only be used when the related safekeeping account 97a::SAFE field is specified using format option D ie. 97D:SAFE.**

**ISO20022**



**SWIFT Comment**

|  |
| --- |
| As a modification of a very used ISO15022 fields might implies the update across all Cat 5 messages, this need to be discussed with other business area as well.(CA, TIC, Funds, Collateral, ……)  The SWIFT proposition is to add a NEW FORMAT (to avoid impact on existing business) to be able to have 30 decimals. This new format will be available for the code “UNIT” ONLY (no addition of this new format to other code (FA, AMOR). SWIFT propose to have this added to all qualifier present in any 36B across all messages.  Question to the MWG : Should it also be added to the 93a balance fields, only for UNIT code.  In ISO20022 – a new field “DigitalAssetUnit” will be created with a new datatype of 30decimal. This to prevent any impact on the current UNIT usage. |

**Working Group Meeting**

*To be completed by Standards after the meeting in August.*

|  |
| --- |
| **Discussion** |
| After the presentation of the CR, the group was reluctant because it can be misused. This might also disrupt the current usage of the field 36.  The proposition from SWIFT to create a new format “D” is accepted but, as the impact will be big, some rules should be added to prevent misuse of the new format in cat 5 messages.  The group questioned also the fact that may be the other code “FA” and “AMOR” should also be available for the new format “D”. The submitter will come back with an answer from the submitting group.  Following the comment of SWIFT, the group also agreed to have the format “E” added for the field 93 (Balance).  In both fields (so 36 and 93) a usage rules will be added to prevent the usage of the new format “D” without the presence of a “Blockchain Address or wallet identification” (BCAW) (from the CR1783) in the field 97.  The format D will not contains “UNIT” but something that is more linked to the digital like “DigitalUnit”. Again the submitter will come back with a proper code and definition.  ***Feedback from the submitter:   Digital Token Units is a good description for units, and it is similar to DTI  AMOR and FAMT would not need to be changed to higher precision.***  As summary for the CR (please see updated illustration):  The new format D (with 30 digit) will be added to field 36 and the new format E (with 30 digit) will be added to fields 93 of all Cat 5 messages.  The updated format will be the following : (Qualifier)(Quantity Type Code)(Quantity of Digital Token)  The Quantity Type Code will be “DITU” - Digital Token Units Number with the definition “Quantity of digital token expressed as a number, for example, a number of blockchain token.”  In each updated field, a usage rule will be added to force the usage of the new format “36D or 93E” with the presence of a “Blockchain Address or wallet identification” i.e. 97D field.  The format D will NOT be applied to the code “AMOR” and “FA” |
| **Decision** |
| Accepted |

# Overview of SWIFT Change requests

## Additional technical adjustments in the ISO 20022 rules identified during the maintenance (standing change request)

As part of the implementation, we have identified a number of technical errors in the description or implementation of rules defined in the messages. Below is the list of message that might require a correction:

|  |  |
| --- | --- |
| * colr.001.001.01 * colr.002.001.01 * seev.050.001.01 * seev.051.001.01 * seev.052.001.01 * seev.053.001.01 * supl.001.001.13 * supl.006.001.10 * supl.007.001.10 * supl.008.001.06 * supl.009.001.09 * supl.010.001.08 * supl.011.001.09 * supl.025.001.03 * supl.030.001.05 * supl.031.001.04 * supl.032.001.02 * supl.033.001.02 * supl.034.001.03 * supl.006.001.09 * supl.007.001.09 * supl.008.001.05 * supl.009.001.08 * supl.033.001.02 * supl.034.001.02 * supl.011.001.08 | * setr.048.001.01 * setr.050.001.01 * setr.052.001.01 * setr.054.001.01 * setr.056.001.01 * reda.003.001.03 * pain.006.001.01 * ca.998.001.06 * admi.008.001.01 * DRAFT2colr.019.001.01 * DRAFT2colr.020.001.01 * DRAFT2colr.021.001.01 * DRAFT2colr.022.001.01 * DRAFT2colr.023.001.01 * DRAFT2colr.024.001.01 * DRAFT2reda.074.001.01 * DRAFT1reda.075.001.01 * DRAFT1reda.077.001.01 |

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1. MWG maintenance meeting minutes are distributed around first week of September. [↑](#footnote-ref-1)